



Coastal Protection and
Restoration Authority of Louisiana

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

Russ Joffrion, P.E.
Engineering Division
May 6, 2014

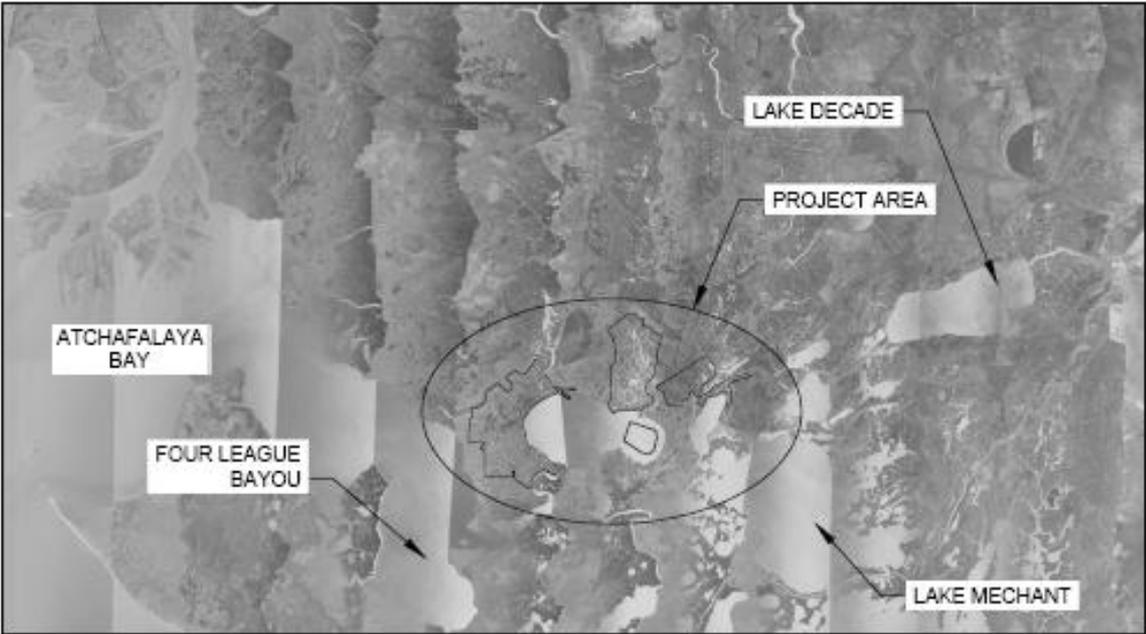


committed to our coast

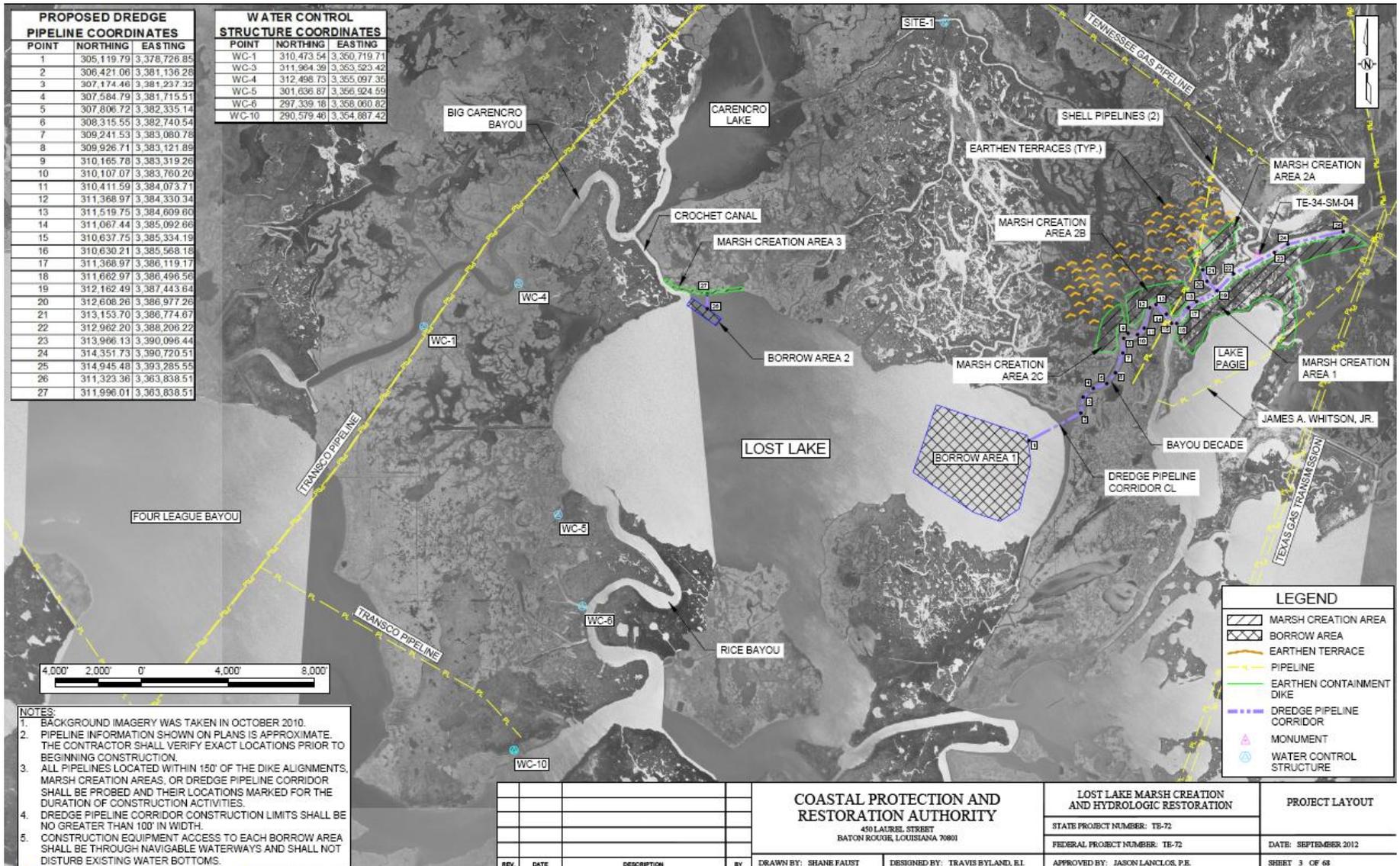
PROJECT BACKGROUND

- CWPPRA PPL 19
- Create/Restore over 400 acres of intertidal marsh
- Create approximately 30,000 LF of earthen terraces
- Replace 4 fixed crest weirs and 1 earthen plug with variable crest weirs
- Engineering and Design: November 2012
- Phase 2 Funding: January 2013
- Anticipated Bid Advertisement: Fall 2014

PROJECT VICINITY MAP



PROJECT LAYOUT



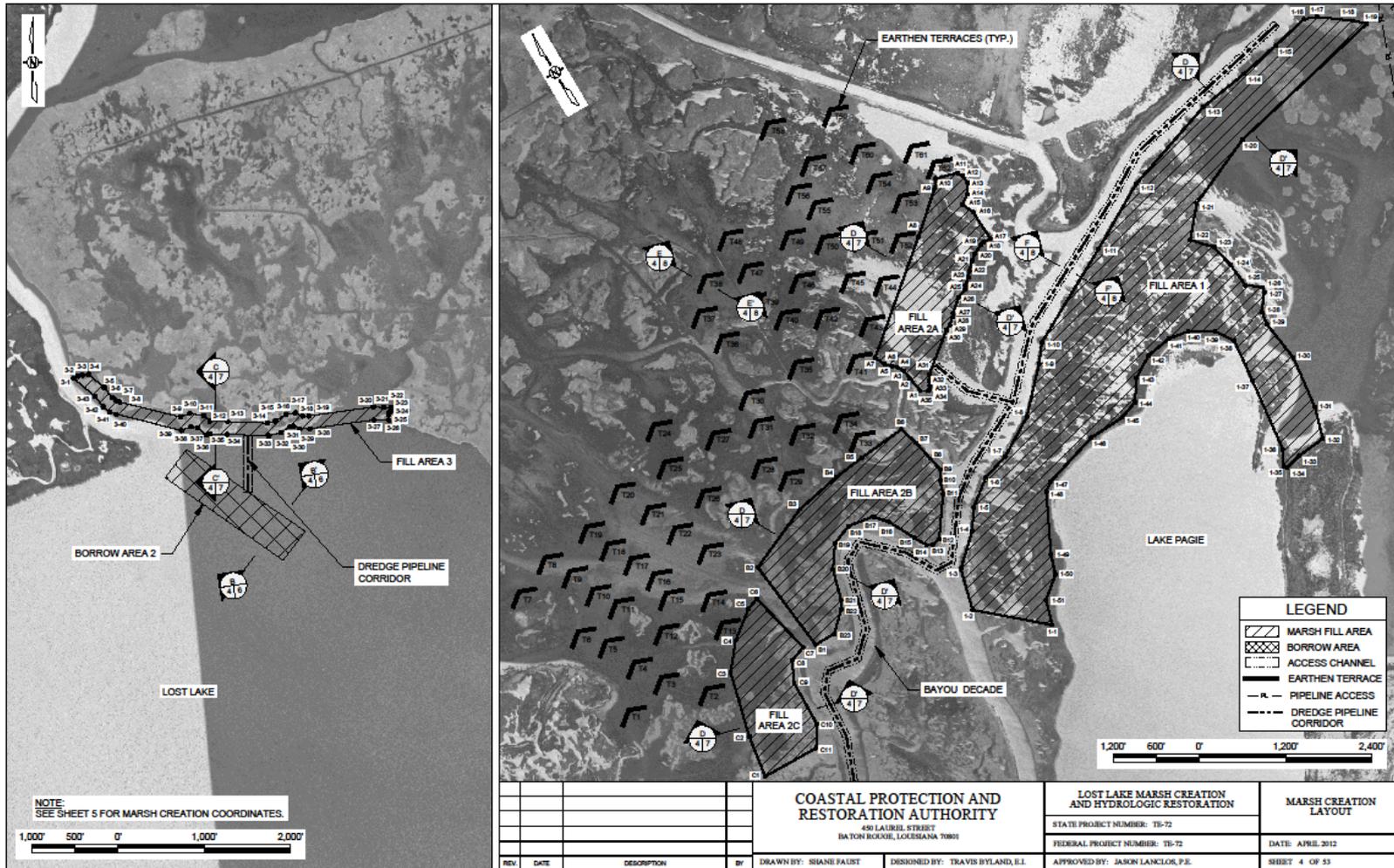
PROPOSED DREDGE PIPELINE COORDINATES		
POINT	NORTHING	EASTING
1	305,119.79	3,378,726.85
2	306,421.06	3,381,136.28
3	307,174.46	3,381,237.32
4	307,584.79	3,381,715.51
5	307,806.72	3,382,335.14
6	308,315.55	3,382,740.54
7	309,241.53	3,383,080.78
8	309,926.71	3,383,121.89
9	310,165.78	3,383,319.26
10	310,107.07	3,383,760.20
11	310,411.59	3,384,073.71
12	311,368.97	3,384,330.34
13	311,519.75	3,384,609.60
14	311,067.44	3,385,092.66
15	310,637.75	3,385,334.19
16	310,630.21	3,385,568.18
17	311,368.97	3,386,119.17
18	311,662.97	3,386,496.56
19	312,162.49	3,387,443.64
20	312,608.26	3,386,774.26
21	313,153.70	3,386,774.07
22	312,962.20	3,388,206.22
23	313,966.13	3,390,096.44
24	314,351.73	3,390,720.51
25	314,945.48	3,393,285.55
26	311,323.36	3,363,838.51
27	311,996.01	3,363,838.51

WATER CONTROL STRUCTURE COORDINATES		
POINT	NORTHING	EASTING
WC-1	310,473.54	3,360,719.71
WC-3	311,964.39	3,363,523.42
WC-4	312,498.73	3,365,097.35
WC-5	301,636.87	3,366,924.69
WC-6	297,339.18	3,366,060.82
WC-10	290,579.48	3,364,887.42

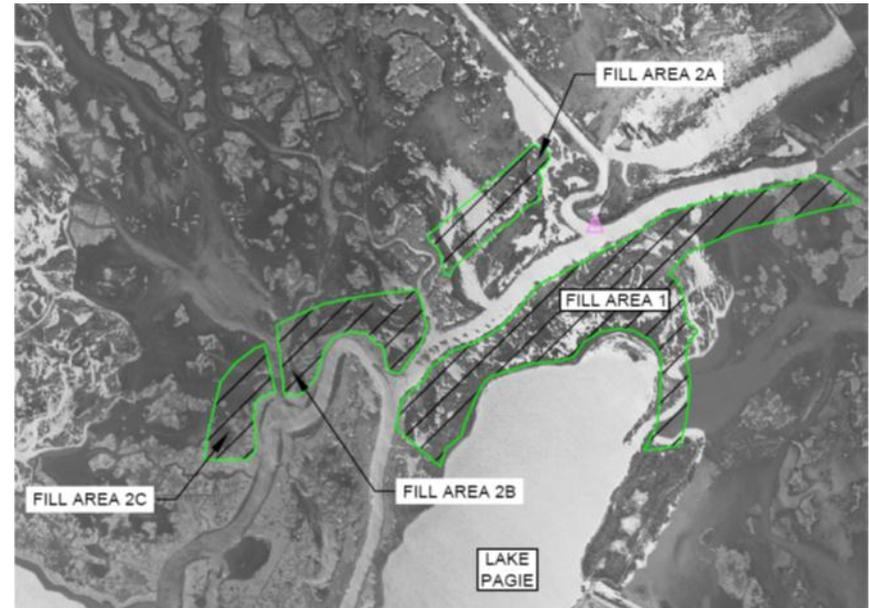
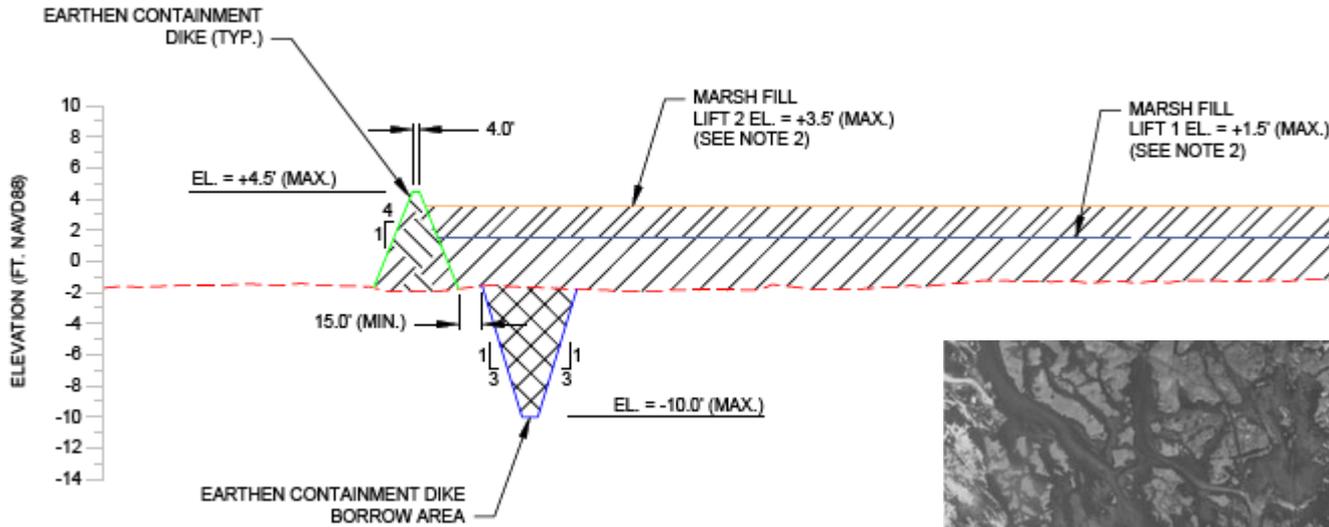
- NOTES:**
- BACKGROUND IMAGERY WAS TAKEN IN OCTOBER 2010.
 - PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 - ALL PIPELINES LOCATED WITHIN 150' OF THE DIKE ALIGNMENTS, MARSH CREATION AREAS, OR DREDGE PIPELINE CORRIDOR SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
 - DREDGE PIPELINE CORRIDOR CONSTRUCTION LIMITS SHALL BE NO GREATER THAN 100' IN WIDTH.
 - CONSTRUCTION EQUIPMENT ACCESS TO EACH BORROW AREA SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS.

				COASTAL PROTECTION AND RESTORATION AUTHORITY		LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION		PROJECT LAYOUT	
				450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		STATE PROJECT NUMBER: TB-72		DATE: SEPTEMBER 2012	
				DRAWN BY: SHANE FAUST		DESIGNED BY: TRAVIS BYLAND, E.I.		APPROVED BY: JASON LANCLIOS, P.E.	
REV	DATE	DESCRIPTION	BY					SHEET 3 OF 68	

PROJECT LAYOUT

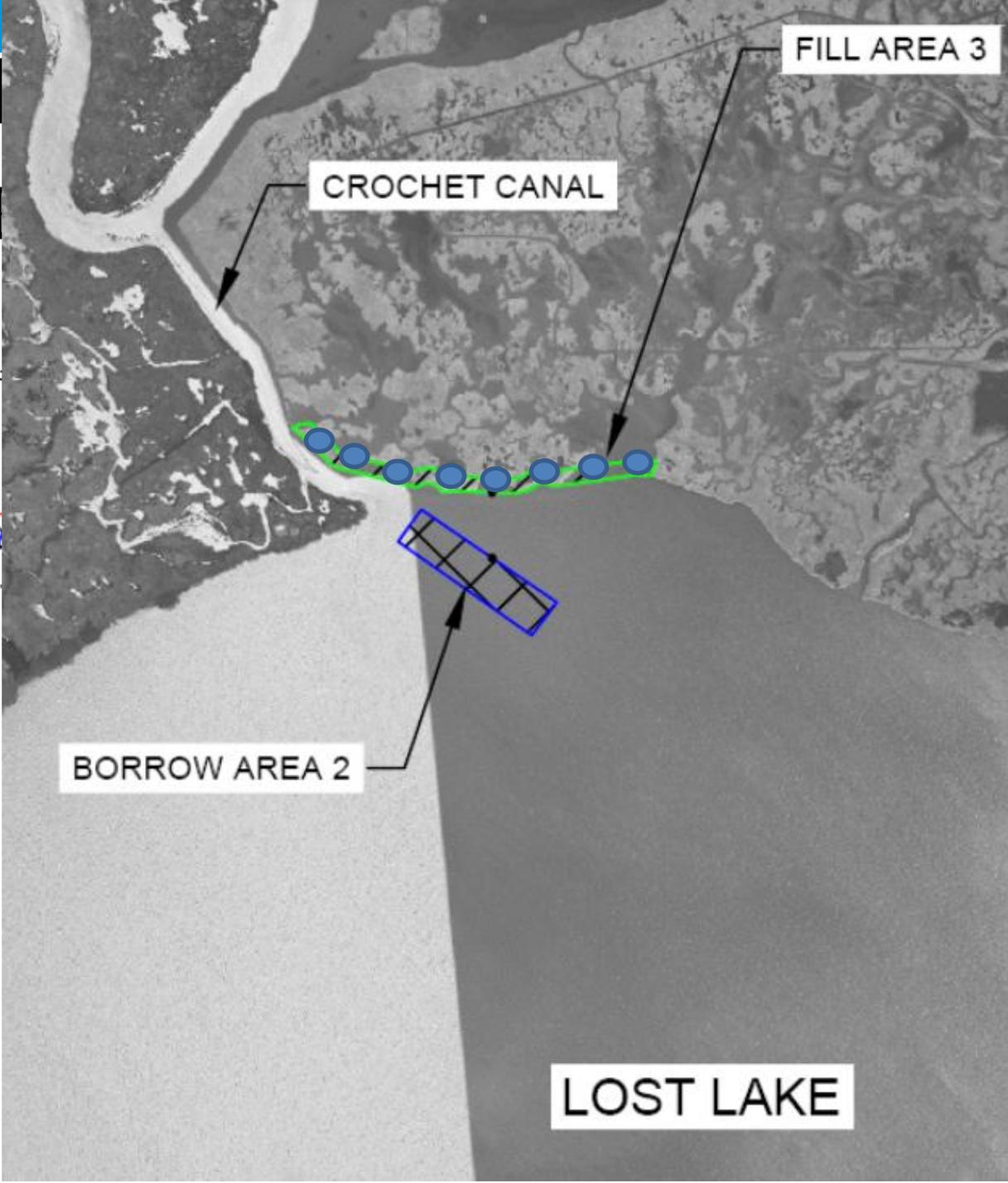
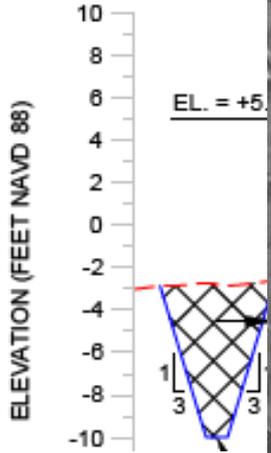


MARSH CREATION FILL AREAS AND TYPICAL SECTION



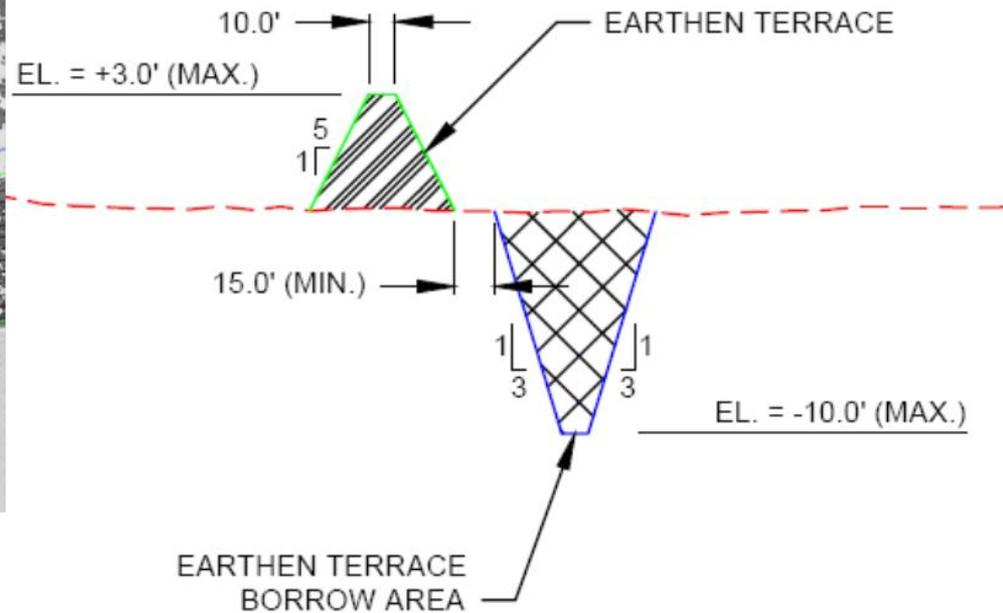
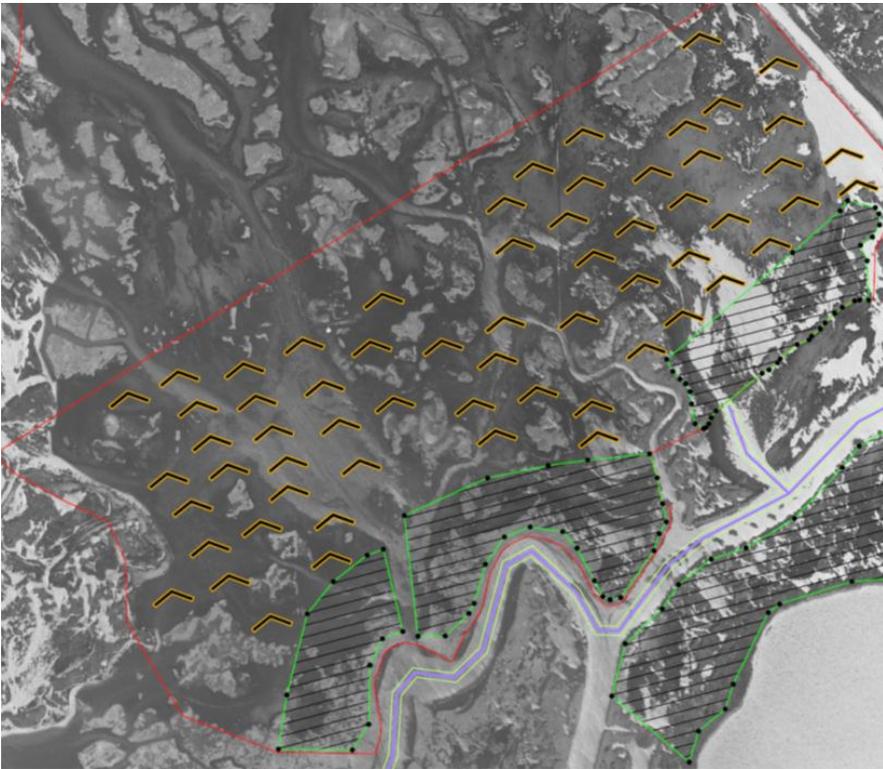
M
A

L
ON



LOST LAKE

EARTHEN TERRACE LAYOUT AND TYPICAL SECTION



SUMMARY OF ESTIMATED QUANTITIES

- Marsh Fill: 3.3M CY (Cut)
- Marsh Nourishment: 120K CY (Cut)
- Shoreline Restoration: 4,000 LF
- Containment Dikes: 50,700 LF
- Earthen Terraces: 30,000 LF
- 5 Water Control Structures
 - Channel Excavation: 1,500 CY
 - Treated Timber Piles: 9,000 LF
 - Steel Sheet Pile: 17,000 SF
 - Rip Rap (55 lb): 1,400 CY

QUESTIONS